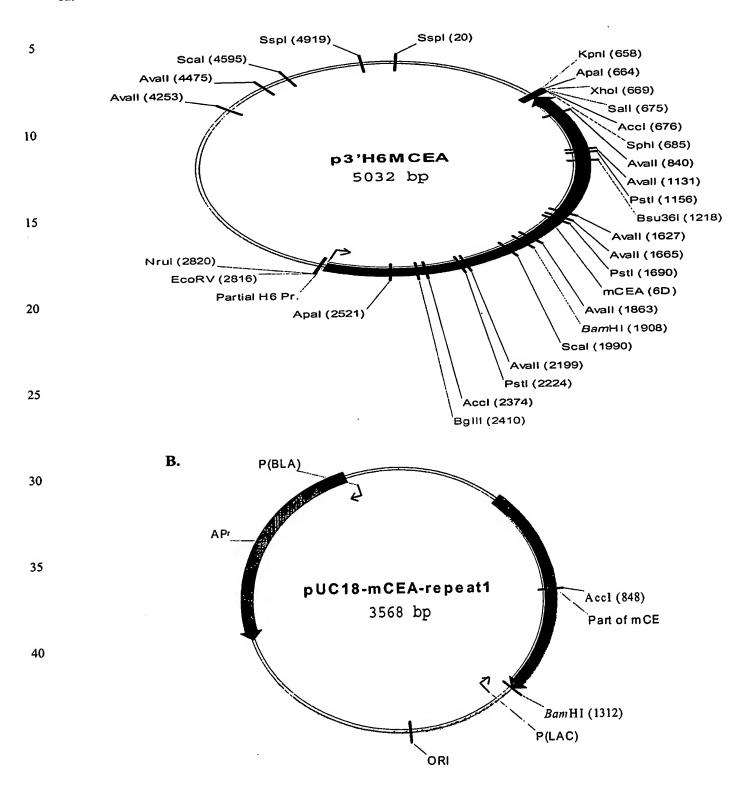
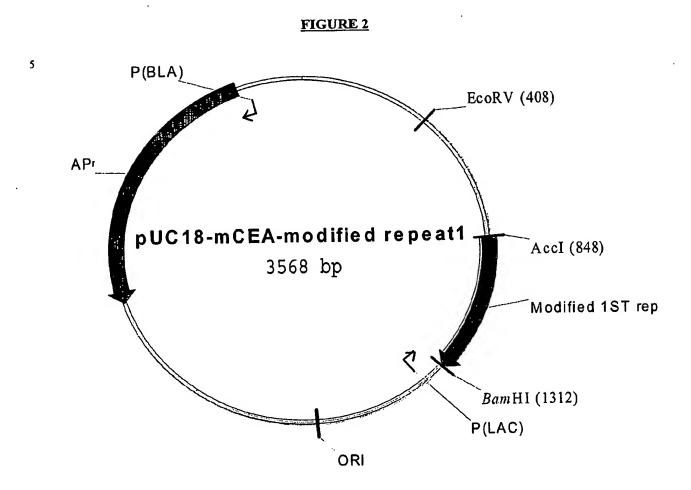
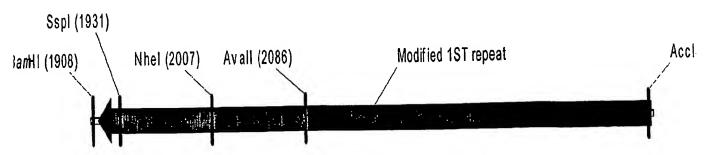
FIGURE 1

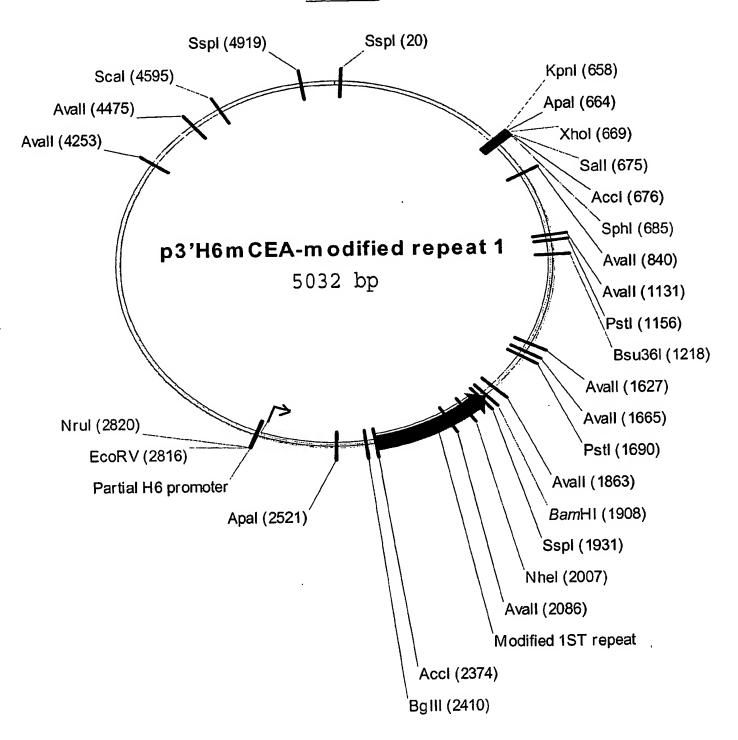
A.

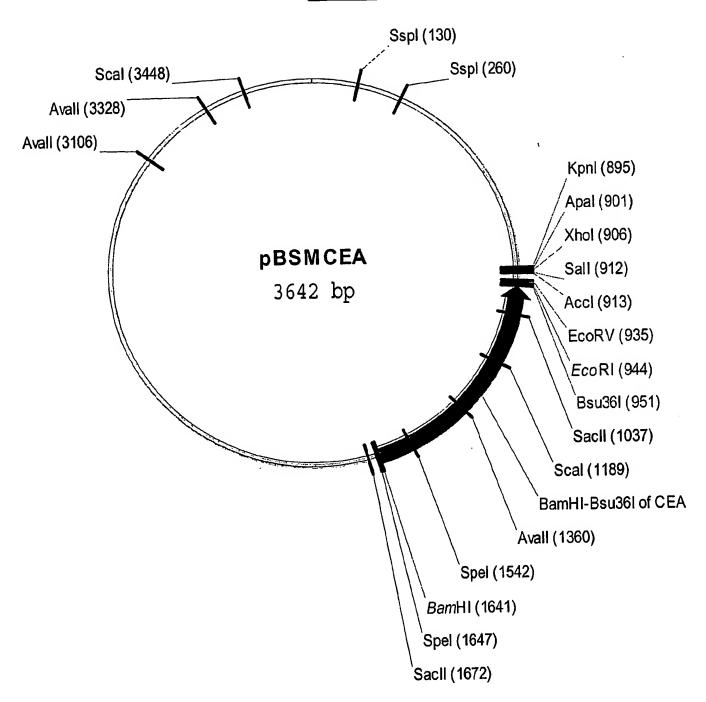


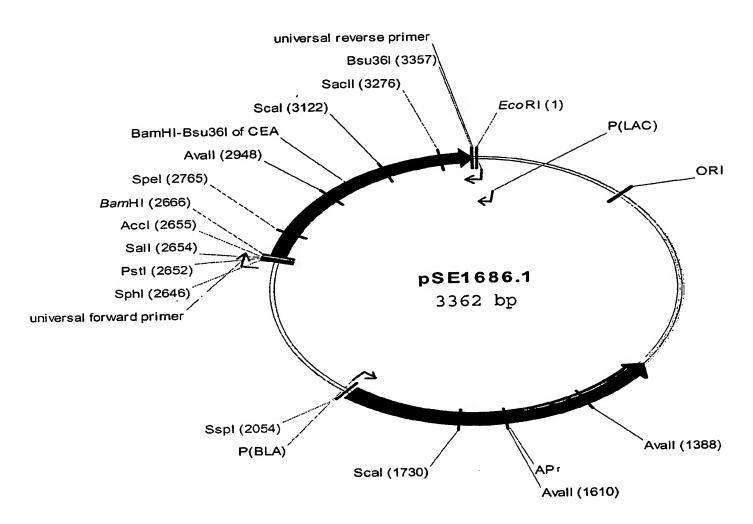




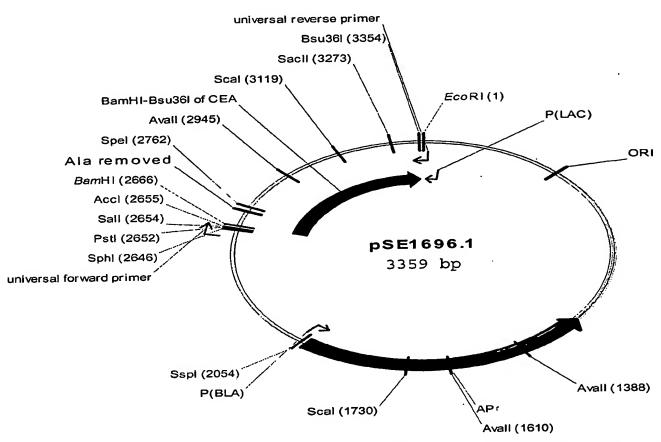
Fragment of annealed oligos modified repeat 1 471 bp



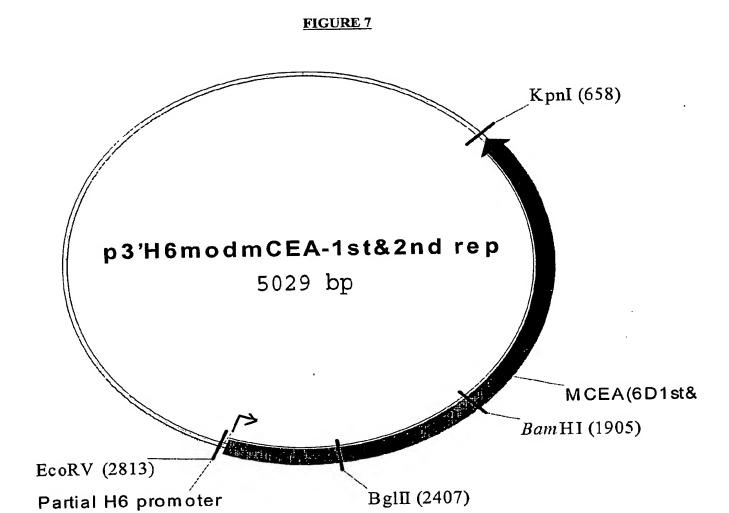




pUC18 mCEA modified repeat 2 (gsoe)



pUC18 mCEA modified repeat 2 gsoe minus Ala



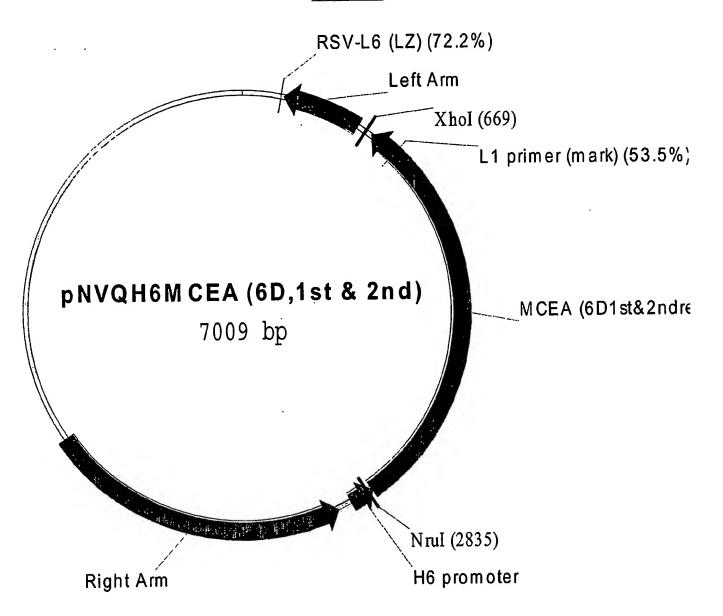


FIGURE 9A

5	mCEA(6D) mCEA(6D,1st&2nd)	1 ATGGAGTCTC CCTCGGCCCC TCCCCACAGA TGGTGCATCC CCTGGCAGAG ATGGAGTCTC CCTCGGCCCC TCCCCACAGA TGGTGCATCC CCTGGCAGAG
10	mCEA(6D) mCEA(6D,1st&2nd)	51 GCTCCTGCTC ACAGCCTCAC TTCTAACCTT CTGGAACCCG CCCACCACTG GCTCCTGCTC ACAGCCTCAC TTCTAACCTT CTGGAACCCG CCCACCACTG
	mCEA(6D) mCEA(6D,1st&2nd)	101 CCAAGCTCAC TATTGAATCC ACGCCGTTCA ATGTCGCAGA GGGGAAGGAG CCAAGCTCAC TATTGAATCC ACGCCGTTCA ATGTCGCAGA GGGGAAGGAG
15	mCEA(6D) mCEA(6D,1st&2nd)	200 GTGCTTCTAC TTGTCCACAA TCTGCCCCAG CATCTTTTTG GCTACAGCTG GTGCTTCTAC TTGTCCACAA TCTGCCCCAG CATCTTTTTG GCTACAGCTG
20	mCEA(6D) mCEA(6D,1st&2nd)	250 GTACAAAGGT GAAAGAGTGG ATGGCAACCG TCAAATTATA GGATATGTAA GTACAAAGGT GAAAGAGTGG ATGGCAACCG TCAAATTATA GGATATGTAA
25	mCEA(6D) mCEA(6D,1st&2nd)	251 TAGGAACTCA ACAAGCTACC CCAGGGCCCG CATACAGTGG TCGAGAGATA TAGGAACTCA ACAAGCTACC CCAGGGCCCG CATACAGTGG TCGAGAGATA
30	mCEA(6D) mCEA(6D,1st&2nd)	350 ATATACCCCA ATGCATCCCT GCTGATCCAG AACATCATCC AGAATGACAC ATATACCCCA ATGCATCCCT GCTGATCCAG AACATCATCC AGAATGACAC
	mCEA(6D) mCEA(6D,1st&2nd)	400 AGGATTCTAC ACCCTACACG TCATAAAGTC AGATCTTGTG AATGAAGAAG AGGATTCTAC ACCCTACACG TCATAAAGTC AGATCTTGTG AATGAAGAAG
35	mCEA(6D) mCEA(6D,1st&2nd)	450 CAACTGGCCA GTTCCGGGTA TACCCGGAGC TGCCCAAGCC CTCCATCTCC CAACTGGCCA GTTCCGGGTA TACCCGGAAC TCCCTAAGCC TTCTATTAGC
40	mCEA(6D) mCEA(6D,1st&2nd)	451 AGCAACAACT CCAAACCCGT GGAGGACAAG GATGCTGTGG CCTTCACCTG TCCAATAATA GTAAGCCTGT CGAAGACAAA GATGCCGTCG CTTTTACATG
45	mCEA(6D) mCEA(6D,1st&2nd)	550 TGAACCTGAG ACTCAGGACG CAACCTACCT GTGGTGGGTA AACAATCAGA CGAGCCCGAA ACTCAAGACG CAACATATCT CTGGTGGGTG AACAACCAGT
50	mCEA(6D) mCEA(6D,1st&2nd)	551 GCCTCCCGGT CAGTCCCAGG CTGCAGCTGT CCAATGGCAA CAGGACCCTC
	mCEA(6D) mCEA(6D,1st&2nd)	650 ACTCTATTCA ATGTCACAAG AAATGACACA GCAAGCTACA AATGTGAAAC

FIGURE 9B

	FIGURE 9B							
5	mCEA(6D) mCEA(6D,1st&2nd)	700 CCAGAACCCA GTGAGTGCCA GGCGCAGTGA TTCAGTCATC CTGAATGTCC CCAAAATCCA GTCAGCGCCA GGAGGTCTGA TTCAGTGATT CTCAACGTGC						
3	mCEA(6D) mCEA(6D,1st&2nd)	750 TCTATGGCCC GGATGCCCC ACCATTTCCC CTCTAAACAC ATCTTACAGA TTTACGGACC CGATGCTCCT ACAATCAGCC CTCTAAACAC AAGCTATAGA						
10	mCEA(6D) mCEA(6D,1st&2nd)	751 TCAGGGGAAA ATCTGAACCT CTCCTGCCAC GCAGCCTCTA ACCCACCTGC TCAGGGGAAA ATCTGAATCT GAGCTGTCAT GCCGCTAGCA ATCCTCCCGC						
15	mCEA(6D) mCEA(6D,1st&2nd)	801 ACAGTACTCT TGGTTTGTCA ATGGGACTTT CCAGCAATCC ACCCAAGAGC CCAATACAGC TGGTTTGTCA ATGGCACTTT CCAACAGTCC ACCCAGGAAC						
20	mCEA(6D) mCEA(6D,1st&2nd)	900 TCTTTATCCC CAACATCACT GTGAATAATA GTGGATCCTA TACGTGCCAA TGTTCATTCC CAATATTACC GTGAACAATA GTGGATCCTA CACGTGCCAA						
	mCEA(6D) mCEA(6D,1st&2nd)	901 950 GCCCATAACT CAGACACTGG CCTCAATAGG ACCACAGTCA CGACGATCAC GCTCACAATA GCGACACCGG ACTCAACCGC ACAACCGTGA CGACGATTAC						
25	mCEA(6D) mCEA(6D,1st&2nd)	951 1000 AGTCTATGAG CCACCCAAAC CCTTCATCAC CAGCAACAAC TCCAACCCCG CGTGTATGAG CCACCAAAAC CATTCATAAC TAGTAACAAT TCTAACCCAG						
30	mCEA(6D) mCEA(6D,1st&2nd)	1001 TGGAGGATGA GGATGCTGTA GCCTTAACCT GTGAACCTGA GATTCAGAAC T <u>T</u> GAGGATGA GGA <u>C</u> GC <u>A</u> GT <u>T</u> GC <u>A</u> TTAAC <u>T</u> T GTGA <u>G</u> CC <u>A</u> GA GATTC <u>AA</u> AA <u>T</u>						
35	mCEA(6D) mCEA(6D,1st&2nd)	1100 ACAACCTACC TGTGGTGGGT AAATAATCAG AGCCTCCCGG TCAGTCCCAG ACCACTTATT TATGGTGGGT CAATAACCAA AGTTTGCCGG TTAGCCCACG						
40	mCEA(6D) mCEA(6D,1st&2nd)	1101 1150 GCTGCAGCTG TCCAATGACA ACAGGACCCT CACTCTACTC AGTGTCACAA CTTGCAGTTG TCTAATGATA ACCGCACATT GACACTCCTG TCCGTTACTC						
	mCEA(6D) mCEA(6D,1st&2nd)	1200 GGAATGATGT AGGACCCTAT GAGTGTGGAA TCCAGAACGA ATTAAGTGTT GCAATGATGT AGGACCTTAT GAGTGTGGCA TTCAGAATGA ATTATCCGTT						
45	mCEA(6D) mCEA(6D,1st&2nd)	1201 1250 GACCACAGC ACCCAGTCAT CCTGAATGTC CTCTATGGCC CAGACGACCC GATCACTCCG ACCCTGTTAT CCTTAATGTT TTGTATGGCC CAGACGACCC						
50	mCEA(6D) mCEA(6D,1st&2nd)	1300 CACCATTTCC CCCTCATACA CCTATTACCG TCCAGGGGTG AACCTCAGCC AACTATATCT CCATCATACA CCTACTACCG TCCCGGCGTG AACTTGAGCC						

FIGURE 9C

		1350
	CEN (CD)	1301 TCTCCTGCCA TGCAGCCTCT AACCCACCTG CACAGTATTC TTGGCTGATT
	mCEA(6D) mCEA(6D,1st&2nd)	TTTCTTGCCA TGCAGCATCC AACCCCCCTG CACAGTACTC CTGGCTGATT
5	MCEA (OD, ISCALIA)	
3		1351 1400 CGA CATCAC
	mCEA(6D)	GATGGGAACA TCCAGCAACA CACACAAGAG CTCTTTATCT CCAACATCAC
	mCEA(6D,1st&2nd)	GATGGAACA TTCAGCAGCA TACTCAAGAG TTATTTATAA GCAACATAAC
		1450
10	CE3 (ED)	1401 TGAGAAGAAC AGCGGACTCT ATACCTGCCA GGCCAATAAC TCAGCCAGTG
	mCEA(6D) mCEA(6D,1st&2nd)	TGAGAAGAAC AGCGGACTCT ATACTTGCCA GGCCAATAAC TCAGCCAGTG
	MCEA (OD, 150 alia)	
		1500 1451
15	mCEA(6D)	GCCACAGCAG GACTACAGTC AAGACAATCA CAGTCTCTGC GGAGCTGCCC
	mCEA(6D,1st&2nd)	GTCACAGCAG GACTACAGTT AAAACAATAA CTGTTTCCGC GGAGCTGCCC
		1550
	mCEA (6D)	AACCCCTCCA TCTCCAGCAA CAACTCCAAA CCCGTGGAGG ACAAGGATGC
20	mCEA(6D,1st&2nd)	AAGCCCTCCA TCTCCAGCAA CAACTCCAAA CCCGTGGAGG ACAAGGATGC
20	MCDA (OD) ID CALLED,	1600
		1661
	mCEA(6D)	TGTGGCCTTC ACCTGTGAAC CTGAGGCTCA GAACACAACC TACCTGTGGT TGTGGCCTTC ACCTGTGAAC CTGAGGCTCA GAACACAACC TACCTGTGGT
	mCEA(6D,1st&2nd)	TGTGGCCTTC ACCTGTGAAC CTGAGGCTCA GARCHOLIO
25		1601
	mCEA(6D)	CCCTANATCC TCAGACCCTC CCAGTCAGTC CCAGGCTGCA GCTGTCCAAT
	mCEA(6D, 1st&2nd)	GGGTAAATGG TCAGAGCCTC CCAGTCAGTC CCAGGCTGCA GCTGTCCAAT
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1700
30		1651 GGCAACAGGA CCCTCACTCT ATTCAATGTC ACAAGAAATG ACGCAAGAGC
	mCEA(6D)	GGCAACAGGA CCCTCACTCT ATTCAATGTC ACAAGAAATG ACGCAAGAGC
	mCEA(6D,1st&2nd)	GGCAACAGGA CCCICACICI IIII
		1701
35	mCEA(6D)	CTATGTATGT GGAATCCAGA ACTCAGTGAG TGCAAACCGC AGTGACCCAG
	mCEA(6D,1st&2nd)	CTATGTATGT GGAATCCAGA ACTCAGTGAG TGCAAACCGC AGTGACCCAG
		1800
	CD \ (CD)	1751 TCACCCTGGA TGTCCTCTAT GGGCCGGACA CCCCCATCAT TTCCCCCCA
40	mCEA(6D) mCEA(6D,1st&2nd)	TCACCCTGGA TGTCCTCTAT GGGCCGGACA CCCCCATCAT TTCCCCCCCA
40	IIICEA (OD, IBCGZIG)	
		1850
		GACTCGTCTT ACCTTTCGGG AGCGGACCTC AACCTCTCCT GCCACTCGGC
	mCEA(6D,1st&2nd)	GACTCGTCTT ACCTTTCGGG AGCGGACCTC AACCTCTCCT GCCACTCGGC
45		1851
	mCEA(6D)	CTCTAACCCA TCCCCGCAGT ATTCTTGGCG TATCAATGGG ATACCGCAGC
	mCEA(6D) mCEA(6D,1st&2nd)	The second of th
	money (or) thearing	
50		1901 1901 TARRESCRIAN TRANSCRIAN TARRACCEG
	mCEA (6D)	
	mCEA(6D,1st&2nd)	AACACACACA AGTTCTCTTT ATCGCCAAAA TCACGCGAAA TAACACACACACA AGTTCTCTTT ATCGCCAAAA TCACGCGAAAA

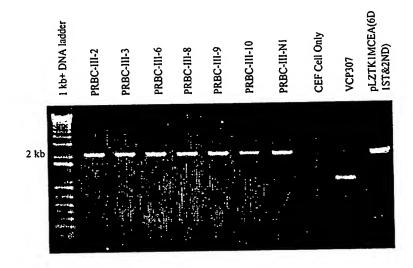
FIGURE 9D

5	mCEA(6D) mCEA(6D,1st&2nd)	1951 ACCTATGCCT ACCTATGCCT	GTTTTGTCTC GTTTTGTCTC	TAACTTGGCT TAACTTGGCT	ACTGGCCGCA ACTGGCCGCA	2000 ATAATTCCAT ATAATTCCAT
	mCEA(6D) mCEA(6D,1st&2nd)	2001 AGTCAAGAGC AGTCAAGAGC	ATCACAGTCT ATCACAGTCT	CTGCATCTGG CTGCATCTGG	AACTTCTCCT AACTTCTCCT	2050 GGTCTCTCAG GGTCTCTCAG
10	mCEA(6D) mCEA(6D,1st&2nd)	2051 CTGGGGCCAC CTGGGGCCAC	TGTCGGCATC TGTCGGCATC	ATGATTGGAG ATGATTGGAG	TGCTGGTTGG TGCTGGTTGG	2100 GGTTGCTCTG GGTTGCTCTG
15	mCEA(6D) mCEA(6D,1st&2nd)	2101 ATATAG ATATAG				

5

FIGURE 10

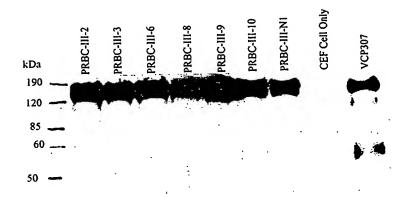
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FIGURE 11

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